

STRESS TEST RESULTS - JANE SMITH

Test Date: 12/10/2024 | Provider: Dr. Michael Chen, MD - Cardiology

PATIENT INFORMATION

Name: Jane Elizabeth Smith DOB: 03/22/1975
MRN: 789012345 Test ID: ST-2024-001235
Referring Physician: Dr. Michael Chen, MD - Cardiology
Clinical History: Chest pain and shortness of breath for 2 weeks

TEST PROTOCOL

Test Type: Exercise Stress Test with Nuclear Imaging
Protocol: Bruce Protocol
Imaging Agent: Technetium-99m Sestamibi
Dose: 25 mCi at rest, 25 mCi at peak exercise
Camera: GE Discovery NM/CT 670

EXERCISE PARAMETERS

Peak Heart Rate: 145 bpm (85% of predicted maximum)
Peak Blood Pressure: 168/95 mmHg
Exercise Duration: 8 minutes 30 seconds
METs Achieved: 8.5 METs
Reason for Termination: Patient fatigue and dyspnea
ECG Response: Normal sinus rhythm throughout

ECG FINDINGS

Resting ECG: Normal sinus rhythm, no acute changes
Exercise ECG: 2mm ST depression in leads II, III, aVF
Peak Exercise: 3mm ST depression in leads II, III, aVF, V4-V6
Recovery: ST depression persisted for 5 minutes post-exercise
Arrhythmias: None noted

NUCLEAR IMAGING FINDINGS

REST IMAGES:

Normal myocardial perfusion at rest
No fixed perfusion defects identified
Normal left ventricular function

STRESS IMAGES:

Large reversible perfusion defect in the inferior wall
Moderate reversible perfusion defect in the lateral wall
No fixed perfusion defects
Left ventricular ejection fraction: 45% (mildly reduced)

IMPRESSION

- POSITIVE STRESS TEST - Evidence of myocardial ischemia
- Reversible perfusion defects in inferior and lateral walls
- ST depression on exercise ECG consistent with ischemia
- Mildly reduced left ventricular function